

## Data Glossary

(Originally Appendix K of Release B DID 304 CDR 304-CD-005-002)

### Appendix K. Data Glossary

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Accountability Management Data	Information collected about the utilization of ECS services by individual users for the purposes of accountability, e.g., an audit trail of data access or service requests.
Accounting Management Data	Information collected about the utilization of ECS resources and attributed to specific accounts (e.g., users). This information is forwarded by SDPS to MSS for accounting and billing purposes. The information includes Request Identifier, date and time of request, media cost, CPU utilization, I/O utilization, personnel costs, shipping and handling costs, networking costs, and archival costs, as applicable.
Acknowledgment	A message sent to the sender of a Service Request, for the purpose of informing the sender that the Service Request was received and accepted by its intended recipient.
Active Plan	The plan which is currently used by production processing.
Advertisement	A text description that announces the availability of an EOSDIS Data Set, Data Product, and/or associated ECS service(s).
Advertisement Request	A request for information contained in an Advertisement which is uniquely identified by the request.
<u>APID</u>	<u>The APID is an identifier used, by ECS, in combination with a start and stop time, to identify granules of Level 0 data.</u>
<u>Archive ID</u>	<u>The Archive ID identifies a physical storage location used for archiving data associated with one or more data types.</u>
Browse Data	Browse data is a subset of a larger data set, other than the directory and guide, generated for the purpose of allowing rapid interrogation (i.e., browse) of the larger data set by a potential user. For example, the browse product for an image data set with multiple spectral bands and moderate spatial resolution might be an image in two spectral channels, at a degraded spatial resolution. The form of browse data is generally unique for each type of data set and depends on the nature of the data and the criteria used for data selection within the relevant scientific disciplines
Browse Request	A request for Browse Data.

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Calibration Data	Calibration Data is the collection of data required to perform calibration of the instrument science data, instrument engineering data, and the spacecraft engineering data. It includes pre-flight calibration measurements, in-flight calibrator measurements, calibration equation coefficients derived from calibration software routines, and ground truth data that are to be used in the data calibration processing routine.
<u>Cancellation Request</u>	<del>A Cancellation request is a Service Request that directs a server to terminate the execution of a Service Request.</del> <u>A Cancellation Request is a Service Request that requests that ECS terminate the processing of a specified, previously-issued Service Request.</u>
Candidate Plan	A production plan which is not currently used in production, but can be used as input to a Plan Activation Request.
Close Request	A Close Request is a Service Request that directs a DIM, LIM, or Data Server to terminate a client session and thereby deallocate resources used to support the processing of Service Requests for that session.
<u>Collection-Level Metadata</u>	<u>Collection-Level Metadata is metadata that describes a data collection.</u>
Configuration Management Data	Information which relates specific versions of individual software, data and hardware items to each other (i.e., defining a configuration of such items), and information which describes changes to such configurations.
Conflict Adjudication Request	A Conflict Adjudication Request is a message sent to the SMC requesting that the SMC resolve a processing conflict between the SDSRV CI, the science user, and the Data Processing Subsystem.

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Conflict Adjudication Response	<p>A Conflict Adjudication Response is a message sent by the SMC describing the resolution of a processing conflict specified by a Conflict Adjudication Request. A Conflict Adjudication Response contains the following information:</p> <ol style="list-style-type: none"><li>Conflict Adjudication Request identification</li><li>Data Type</li><li>Priority modifications</li><li>Account balance modifications</li><li>Information on when request will be serviced</li><li>SMC contact point</li></ol>
Core Inventory Metadata	<p>Core Inventory Metadata is Metadata that is available for all ECS standard Data Products.</p>
Correlative Data	<p>Correlative Data is scientific data used in the interpretation or validation of instrument data products, e.g., ground truth data and/or data products of other instruments. These data are not utilized for processing instrument data</p>
DAR Disposition	<p>DAR Disposition is information that is a notification of the confirmation, rejection, scheduling, or completion of a Data Acquisition Request, and includes at a minimum:</p> <ol style="list-style-type: none"><li>Date and time</li><li>Instrument identifier</li><li>DAR identifier</li><li>DAR status</li><li>Implementation schedule</li><li>Reason for rejection (if applicable)</li></ol>
Data	<p>Data is the output of an ECS service, and includes Data Products, subsets of Data Products, Data Granules, Search Results, browse images, and the output of processing requests.</p>
Data Access Privilege	<p>Information which specifies which types of accesses (i.e., read, update, insert, delete) a user is allowed for any given type of data.</p>

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Data Acquisition Request	<p>A Data Acquisition Request (DAR) is a Service Request that specifies the collection of Data associated with a specified instrument or instruments. A DAR contains the following information at a minimum:</p> <ol style="list-style-type: none"><li>Observation number</li><li>Experimenter identification</li><li>Experimenter address</li><li>Investigation identification</li><li>Scientific discipline</li><li>Observation repetition period</li><li>Minimum coverage required</li><li>Maximum coverage desired</li><li>Number of instruments involved in the investigation.</li><li>Which instruments are involved in the investigation.</li></ol>
<u>Data Delete Request</u>	<u>A Data Delete Request is a Service Request that requests the deletion of specified data.</u>
Data Destination	Data Destination is information that describes where Data is to be transmitted electronically.
Data Dictionary Information	Provides explanations for the various ECS data types, their data elements, the operations available on these data types, explanations of abbreviations used by the values of such data elements, and lists of valid values of data elements.
Data Format	<p>Data Format contains the following information, where applicable:</p> <ol style="list-style-type: none"><li>Units conversion specification</li><li>Compression format specification</li></ol>
Data Granule	The smallest aggregation of data that is independently managed (i.e., described, inventoried, retrievable). Granules may be managed as logical granules and/or physical granules.
Data Identifier	A Data Identifier is information that uniquely identifies Data to be manipulated by an ECS service.

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Data Insert Request	A Data Insert Request is a Service Request that calls for the storage of Data or Metadata into a Data Server.
Data Processing Request	A Data Processing Request is a Service Request passed to the <u>Data Processing CI</u> to initiate the processing of a PGE. The request provides the <u>Data Processing CI</u> information about 1 specific production job. The Data Processing Request will contain information used to execute a PGE. This information includes priority, user parameters, input data, output data, and resource information, etc.
Data Product	A set of one or more outputs of a Product Generation Executive.
Data Receipt Log	Alias for "Ingest History Log."
Data Request	<p>A Data Request is a Service Request that directs SDPS to stage and/or distribute specified data. The specification of the data may direct SDPS to perform processing (e.g., subsetting) on the data prior to its final staging or distribution. The most trivial example of a Data Request is a Service Request that requests the distribution of a specified Data Product. There are two kinds of Data Requests, Staging Requests and Distribution Requests. Data Requests contain the following information:</p> <ul style="list-style-type: none"><li>a. User Identifier</li><li>b. Request Priority</li><li>c. Data Type</li><li>d. Data Identifier(s)</li><li>e. Processing Instructions (e.g., subsetting instructions), if applicable</li><li>f. Suggested earliest start time</li><li>g latest completion time.</li><li>h. Distribution Instructions or Staging Instructions (as applicable)</li></ul>

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Data Request Status	<p>Information describing the either the current progress of an ongoing Data Request or the outcome of a completed Data Request. The Data Request Status contains the following information</p> <ol style="list-style-type: none"><li>User Identifier</li><li>Request Identifier</li><li>Request State</li><li>If rejection, then the reason for the rejection.</li><li>Adjusted start and completion times if request was delayed longer than latest completion time specified by user.</li><li>Distribution Status (if the Data Request was a Distribution Request)</li></ol>
Data Set	<p>A logical collection of Data Products for which the producer has defined an Advertisement.</p>
Data Type	<p>SDPS uses a scheme for classifying data into types. A preliminary list of ECS Data Types is contained in the SDPS Database Design / Schema Specification (DID 311).</p>
<u>Data Type Description</u>	<p><u>A Data Type Description describes the available services, the valid values, and the attributes for a given data type</u></p>
Data Type Identifier	<p>Identifier of the data type (e.g., CER001).</p>
<u>Data Type Services Matrix</u>	<p><u>The Data Type Services Matrix is a configuration-controlled table that identifies each earth science data type and its associated data type services.</u></p>
Database Transaction	<p>A series of database queries which are bracketed by a start transaction and end transaction command. Programmers use Database Transactions to group a set of related database queries which should either all be executed, or not at all executed. For example, in case of a failure during execution of a transaction, the queries which already completed should be rolled back.</p>
<u>Database Transaction Log</u>	<p><u>A Database Transaction Log records all changes to a database and can be used to restore the database in the event that the database is lost.</u></p>

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Definitive Orbit Data	Definitive Orbit Data is spacecraft orbit data computed by the FDF based on tracking data from TDRSS satellites or ground stations, and spans a time interval that corresponds to the tracking data interval.
Delivery Record	File containing information describing data to be ingested. It has the same structure as Network Ingest Request.
Dependent Valid Values	Dependent Valid Values are parameter values that describe the acceptable values that a user may specify for a given parameter and are dependent on information that the user has already specified.
Directory	Directory is a collection of uniform descriptions that summarize the contents of a large number of data sets. It provides information suitable for making an initial determination of the existence and contents of each data set. Each directory entry contains brief data set information (e.g., type of data, data set name, time and location bounds)
Distributed Query Plan	A Distributed Query Plan is an organized set of Search Requests formulated by the Distributed Information Manager for the purpose of executing a Search Request involving multiple sites. Each Search Request within the Distributed Query Plan is intended to be processed at a single Site by either a LIM (i.e., a Site Search Request) or a single Data Server.
Distributed Search Request	A Distributed Search Request is a Search Request that is processed by a DIM and requires Data and services from multiple Sites.
Distribution Failure Message	<p>A Distribution Failure Message is information that is logged to the Distribution Activity Log when a Distribution Request fails validation. It contains the following information:</p> <ul style="list-style-type: none"><li>a. User Identifier</li><li>b. Request Identifier</li><li>c. Date and Time</li><li>d. Reason for failure</li></ul>

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Distribution Instructions	<p>Distribution Instructions is information contained in a Distribution Request that specifies how data is to be distributed. An Electronic Distribution Request contains Distribution Instructions consisting of the following:</p> <ul style="list-style-type: none"><li>a. Data Format</li><li>b. Push-pull flag</li><li>c. Data Destination</li></ul> <p>A Media Distribution Request contains Distribution Instructions consisting of the following:</p> <ul style="list-style-type: none"><li>a. Data Format</li><li>b. Media Specification</li><li>c. Media Destination</li><li>d. Shipping information</li></ul>
Distribution Request	<p>A Distribution Request is a Data Request that directs SDPS to distribute specified Data electronically, or via the shipment of hard media. The specified data can be Data that is permanently stored or generated on-demand, or it can be staged data that is temporarily stored in a user-accessible staging area. Staged data can be a Data Product or data generated as the result of processing performed by a previous Service Request. See Data Request, for the format of a Distribution Request.</p>
Distribution Request Status	<p>(See Data Request Status)</p>
Distribution Status	<p>Information describing the amount of Data written to Media or transmitted electronically, during the processing of a Distribution Request.</p>
Distribution Status Request	<p>A Distribution Status Request is a Status Request that requests the status of a Distribution Request (See Status Request)</p>



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Document Ingest Request	<p>A Document Ingest Request is an Ingest Request that directs SDPS to automatically transfer document data into the SDPS from an external data provider. The Document Ingest Request contains the following information:</p> <ol style="list-style-type: none"><li>External data provider;</li><li>Date/time prior to which the data will remain available;</li><li>Requested ingest priority;</li><li>List of Data Type Identifiers;</li><li>For each Data Type Identifier: a list of document file identifiers; the corresponding file volumes; the document title; the document author; and a list of document search keywords.</li></ol>
Electronic Distribution Request	<p>An Electronic Distribution Request is a Distribution Request that directs SDPS to distribute specified data electronically. See Data Request, for the format of an Electronic Distribution Request.</p>
Engineering Data	<p>Engineering Data is all data available on-board about health, safety, environment, or status of the spacecraft and instruments. Spacecraft Engineering Data – The subset of engineering data from spacecraft sensor measurements and on-board computations. Instrument Engineering Data – All non-science data provided by the instrument. Housekeeping Data – The subset of engineering data required for mission and science operations. These include health and safety, ephemeris, and other required environmental parameters</p>
Fault Management Data	<p>Information describing system faults, such as hardware and operating system failures and application software errors which is forwarded by SDPS to MSS upon detection of the fault. The information includes type of fault, date and time fault, and identification of the failing system component.</p>
<u>File Directory</u>	<p><u>The File Directory is an index maintained by the STMGT CI that identifies the location of each file in the archive.</u></p>
<u>FSMS</u>	<p><u>An FSMS (File Storage Management System) is software that provides capabilities for storing and retrieving files from mass-storage devices.</u></p>

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<u>Granule</u>	<u>The smallest aggregation of data that is independently managed (i.e., described, inventoried, retrievable). Granules may be managed as logical granules and/or physical granules.</u>
<u>Granule ID</u>	<u>The Granule ID is a unique identifier used to identify an EOSDIS data granule.</u>
<u>Granule Inventory Metadata</u>	<u>Granule Inventory Metadata is metadata that individually describes a granule of EOSDIS data; also known as Inventory Metadata.</u>
Ground Truth	Ground Truth is geophysical parameter data, measured or collected by other means than by the instrument itself, used as correlative or calibration data for that instrument data. It includes data taken on the ground or in the atmosphere. Ground truth data are another measurement of the phenomenon of interest; they are not necessarily more “true” or more accurate than the instrument data
Hard Media Ingest Request	<p>A Hard Media Ingest Request is an Ingest Request that directs SDPS to transfer data into the SDPS from hard media, as provided by an external data provider. The Hard Media Ingest Request contains the following information:</p> <ol style="list-style-type: none"><li>User Identifier for the external data provider;</li><li>Media Type; and</li><li>List of one or more Hard Media Identifiers</li></ol>
Ingest Error Log	Log containing errors and other status occurring during ingest request processing.
Ingest History Log	The Ingest History Log contains information associated with a completed Ingest Request. An alias for Ingest History Log is "Data Receipt Log."
Ingest Request	An Ingest Request is a Service Request that directs SDPS to ingest data into the SDPS from an external data provider.
Instrument Calibration Data	
Instrument Characterization Data	

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Instrument Data	Instrument Data is Data specifically associated with an instrument, either because the Data was generated by the instrument or included in data packets identified with that instrument. Instrument Data consists of Instrument Science Data and Engineering Data, and possible Ancillary Data
Instrument Historical Data	
Inventory	The collection of Data Granule specific information which describes the individual Data Granules managed by a Data Server.
<u>Inventory Metadata</u>	<u>Inventory Metadata is metadata that individually describes a granule of EOSDIS data; also known as Granule Inventory Metadata.</u>
Level 0 Data	Level 0 data is raw instrument data at original resolution, time ordered, with duplicate packets removed.
Level 1A Data	Level 1A data is Level 0 data which may have been reformatted or transformed reversibly, located to a coordinate system, and packaged with needed ancillary and engineering data.
Level 1B Data	Level 1B data is radiometrically corrected and calibrated data in physical units at full instrument resolution as acquired.
Level 2 Data	Level 2 data are environmental variables retrieved from Level 1 data (e.g., ocean wave height, soil moisture, ice concentration) at the same location and similar resolution as the Level 1 source data.
Level 3 Data	Level 3 data is data or retrieved environmental variables that have been spatially and/or temporally resampled (i.e., derived from Level 1 or Level 2 data products). Such resampling may include averaging and compositing.
Level 4 Data	Level 4 data is model output and/or variables derived from lower level data which are not directly measured by the instruments. For example, new variables based upon a time series of Level 2 or Level 3 data
List of Data Files	Within a Data Insert Request, specifies the files which contain information (data and meta data) which is to be inserted.
<u>Logical File Location</u>	<u>The Logical File Location is the metadata that uniquely identifies the storage location for a given data granule.</u>
Logistics Status	

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Logon Authorization Request	A message sent to CSMS to verify that a user is authorized to logon as an ECS user.
Maintenance Directives	
Media Destination	Media Destination is information that describes where media is to be physically shipped.
Media Distribution Request	A Media Distribution Request is a Distribution Request that directs SDPS to record Data on hard media and ship it to a specified destination. See Data Request, for the format of a Media Distribution Request.
Media Identifier	A Media Identifier is information used to uniquely identify a media cartridge.
Media Specification	A Media Specification is information that describes the type and number of media cartridges required to record Data for distribution.
Media Type	Type of hard media (e.g., 8mm tape) provided for ingest by an External data provider; type of hard media provided to a Science user requesting hard media distribution.
Metadata	Metadata is descriptive information that will accompany ECS Data. Metadata identifies Data; it describes the characteristics of Data including its origin, content, quality, and condition; and it provides information needed to process and interpret Data.
<u>Metadata Database</u>	<u>The Metadata Database is an ECS database that resides at a given DAAC and maintains the Collection-Level Metadata and the Granule Inventory Metadata for the data stored by ECS at that DAAC.</u>
<u>Metadata Database Schema</u>	<u>The Metadata Database Schema is information that describes the structure of the Metadata Database.</u>

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Network Ingest Request	<p>A Network Ingest Request is an Ingest Request that directs SDPS to automatically transfer data into the SDPS from an external data provider. The Network Ingest Request contains the following information:</p> <ol style="list-style-type: none"><li>External data provider;</li><li>Date/time prior to which the data will remain available;</li><li>Requested ingest priority;</li><li>List of Data Type Identifiers;</li><li>For each Data Type Identifier, a list of file identifiers; and</li><li>The corresponding file volumes.</li></ol>
Notification	<p>A Notification is a message sent to a user that indicates that a user-specified event has occurred. The message may be an internal ECS message or an EMAIL message.</p>
Onboard Attitude Data	<p>Onboard Attitude Data is attitude data generated by the spacecraft or its instruments.</p>
Onboard Orbit Data	<p>Onboard Orbit Data is orbit data generated by the spacecraft.</p>
On-Demand Data Product	<p>An On-Demand Data Product is a Data Product that is not stored, but is generated when requested by a user.</p>
Open Request	<p>An Open Request is a Service Request that directs a DIM, LIM, or Data Server to initiate a session and allocate resources required for the processing of Service Requests.</p>
<u>PDS ID</u>	<p><u>The PDS ID is an identifier used by EDOS to identify granules of Level 0 data.</u></p>
Performance Management Data	<p>Information collected by SDPS and provided to MSS about the performance of individual system components, such as current resource utilization or throughput.</p>
Phenomenological Search Criteria	<p>Phenomenological Search Criteria are Search Criteria that identify data associated with an event or condition that is observable by ECS instruments.</p>
Plan Activation Request	<p>A request to the Planning CSCI to make a previously prepared plan (a Candidate Plan) active (i.e., the Active Plan).</p>
Plan Cancellation Request	<p>A request to cancel an Active Plan.</p>

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Plan Creation Request	A request for creating a Candidate Plan based on the planning information provided as input.
Planned Site Resource Report	The planned site resource report includes: <ol style="list-style-type: none"><li>1) Resource ID</li><li>2) Resource name</li><li>3) Resource type</li><li>4) Resource default activity</li><li>5) String Description (TBD)</li><li>6) Capacity Description (TBD).</li></ol>
Planned vs. Actuals Resource Usage Reports	Planned vs. actuals resource usage reports, covering a specified time period, include the following information for each resource in turn: <ol style="list-style-type: none"><li>1) Planned interval start time</li><li>2) Planned interval stop time</li><li>3) Planned ground event OR default activity</li><li>4) Actual interval start time</li><li>5) Actual interval stop time</li><li>6) Actual ground event OR default activity performed.</li></ol>
Polling Ingest Request	A Polling Ingest Request is an Ingest Request that directs SDPS to automatically transfer data into the SDPS from an external data provider. The Polling Ingest Request is triggered by periodic polling for files in a specified network-accessible location. The Polling Ingest Request contains the specified network-accessible location.
<u>Predicted Data Availability Schedules</u>	<u>Predicted Data Availability Schedules</u>
Priority Information	Priority Information specifies the priority of a service request as assigned by a user or operations, or as assigned as the default or maximum priority a user can assign to a service request.
Product Generation Executable	(This is an obsolete term - see Product Generation Executive.)

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Product Generation Executive	A Product Generation Executive (PGE) is a set of one or more compiled binary executables and/or command language scripts; it is the smallest unit of processing managed by the Planning and Data Processing Subsystems.
Product Specific Metadata	Product Specific Metadata is Metadata that describes characteristics of the instrument or applies only to a certain discipline, or is important only to a special segment of the science community.
Production History	A record of each step in the creation of a particular product identifying generating PGE, inputs, and other variables.
Production Plan	See Active Plan and Candidate Plan.
Production Request	<p>A Production Request is a Service Request that requests the processing of specified ECS Data by a pre-existing ECS process. A Production Request contains the following information:</p> <ul style="list-style-type: none"><li>a. User Identifier</li><li>b. Algorithm input requirements</li><li>c. Text description of need for processing</li><li>d. Level 0-4 data set/subset</li><li>e. Required time of generation</li><li>f. Requested priority for product processing</li><li>g. Resulting product type</li><li>h. Processing parameters</li></ul>
QA Statistics	Quality indicators associated with an individual data product including drop-outs, data gaps, out-of-range values, etc.
Query	A query is a search request conforming to the format and protocols required by a COTS product that executes the search request.
Quick-Look Data	Quick-Look Data is Data received during one TDRSS contact period which have been processed to Level 0 (to the extent possible for data from a single contact). These are data that have been identified to EDOS as requiring priority processing.
Quick-Look Product	A Quick-Look Product is a Data Product produced at a PGS by applying science algorithms to Quick-Look Data

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Refined Attitude Data	Refined Attitude Data is generated by the FDF in response to a request from ECS.
Refined Orbit Data	Refined Orbit Data is generated by the FDF in response to a request from ECS.
Repaired Attitude Data	Repaired Attitude Data is provided by the FDF to cover a time period when the onboard attitude data was not available or was invalid.
Repaired Orbit Data	Repaired Orbit Data is orbit data that is provided by the FDF to cover a time period when orbital measurements were not available or were invalid.
Request Identifier	A Request Identifier is information that uniquely identifies a Service Request. Request Identifiers are referenced by Status Requests and other Service Requests that are used to monitor or control the execution of Service Requests.
Request Priority	Request Priority is information that determines the order in which a Service Request will be processed relative to other Service Requests waiting to be processed.
Request Priority	<del>Request Priority is information that determines (1) the order in which the processing of a Service Request will be initiated relative to other Service Requests, and (2) the priority for services and resources required for the processing of the Service Request.</del>
Request State	The state of a Service Request once accepted by the SDPS (e.g., queued, active, complete). The Request State is returned as part of the Service Request Status.
Result Set	A Result Set is Data that is the output of an ECS service performed as a result of the execution of a Service request.
Resume Request	A Resume Request is a Service Request that directs a LIM, DIM, or Data Server to resume a suspended session.
Scheduling Directive	A Scheduling Directive is a message sent by the SMC specifying the scheduling of testing and simulation activities for the system, site, or a subsystem.
Scheduling Management Data	Information about the schedules for the start up, shutdown, restart, or reservation of SDPS resources.



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Schema Information	A formal description of the data which are offered by an ECS data management service (DIM, LIM, Data Servers) and are accessible via that service's query language and query interface. The schema information includes a definition of the structure of the data types supported by that data management service, the attributes and operations supported by that data type, and the valid values (or range of values) for each attribute, as applicable.
Science Software Archive Package	Includes the Science Software Delivery Package and the information generated during Integration and Test.
Science Software Delivery Package	The source code, scripts, make files, documentation, test plans, test inputs and outputs, calibration coefficients, control files, etc. that are delivered for formal Integration and Test.
Search Criteria	Search Criteria specify categories to which data belongs and are used to identify a required subset of available data.
Search Request	A Search Request is a Service Request that requests information that describes data. The service request contains Search Criteria. The execution of the Search Request produces a list of one or more members that describe the data belonging to the categories given by the Search Criteria. The resulting members can be used to formulate subsequent Search Requests or Data Requests.
Search Result	The output of a Search Request.
Security Management Data	Information collected by SDPS and provided to MSS for the purpose of managing the security of the SDPS services and data. The information includes records of user logon and logoff, and of unauthorized attempts to access SDPS services and data
Security Management Data	Security Management Data is information (e.g., logon and logoff information) that is sent to MSS for reporting, tracking and alert purposes.
Service Description	A description of the functions and interfaces provided by an SDPS service, intended for inclusion in an Advertisement.

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Service Request	<p>A Service Request is a message that requests Data, a service, or both. The message is generated by an ECS client and sent to an ECS server. The server executes the Service Request and generates Service Request Status information and/or results. A Service Request contains the following data:</p> <ol style="list-style-type: none"><li>User Identifier</li><li>Request Identifier</li><li>Priority Information</li><li>Request State</li><li>If rejection, then the reason for the rejection.</li></ol>
Service Request Cost	<p>An aggregate measure of the resources required by a service request.</p>
<u>Service Request List</u>	<p><u>The Service Request List is a queue maintained by a Science Data Server and used to prioritize and temporarily store Service Requests waiting to be processed.</u></p>
Service Request Status	<p>Information describing either the current progress of an ongoing Service Request or the outcome of a completed Service Request.</p>
Service Request Threshold	<p>A Service Request Threshold specifies the number of Service Requests which may be queued.</p>
Session Log	<p>A record of the service requests issued by a user in the context of a session.</p>
Session Profile	<p>A Session Profile is information associated with a user session that is used to supply default parameters in Service Requests. The contents of the Session Profile is derived from the User Profile and from information supplied directly by the user during the user session.</p>
Session Status Information	<p>Session Status Information includes information about the resources allocated to the session, resources consumed by the transaction, Service Request Status of the service requests associated with that session, and session state (e.g., active, dormant, suspended).</p>
Site Query Plan	<p>A Site Query Plan is an organized set of Search Requests formulated by the Local Information Manager for the purpose of executing a Search Request involving multiple Data Servers at a site. Each Search Request within the Site Query Plan is intended to be processed by a single Data Server.</p>

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Site Resource Request	<p>A Site Resource Request contains:</p> <ol style="list-style-type: none"><li>1. originator of the request</li><li>2. the resource(s) required for the ground event (including computers, disks, storage devices, networks)</li><li>3. ground event name</li><li>4. the start time of the ground event</li><li>5. the end time of the ground event</li><li>6. frequency of ground event, if applicable</li><li>7. ground event description or comment</li><li>8. requested ground event priority.</li></ol>
Site Resource Request Report	<p>The site resource request report includes:</p> <ol style="list-style-type: none"><li>1) Resource request ID</li><li>2) Ground event name</li><li>3) Requested resource</li><li>4) Requested event start time</li><li>5) Requested event duration</li><li>6) Requestor name</li><li>7) Requested event description</li><li>8) Validation status</li><li>9) Approval status</li></ol>
Site Search Request	<p>A Site Search Request is a Search Request that is intended to be processed at a single Site by a LIM.</p>
Special Data Product	<p>A Special Data Product is either a Data Product which is considered part of a research investigation and is produced for a limited region or time period, or is a data product which is not accepted as a Standard Product.</p>
Staging Instructions	<p>Staging Instructions is information that describes how Data is to be staged and contains the required Data Format for the staged Data.</p>

## **Data Glossary**

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Staging Request	A Staging Request is a Data Request that directs SDPS to place specified Data in a user-accessible staging area. The Data can be permanently stored or generated on-demand. See Data Request, for the format of a Staging Request.
Standard Product	(1) A Data Product generated as part of a research investigation, of wide research utility, accepted by the IWG and the EOS Program Office, routinely produced, and in general spatially and/or temporally extensive. Standard Level 1 products will be generated for all EOS instruments; standard Level 2 products will be generated for most EOS instruments. (2) A Data Product which has been accepted for production at a PGS, including (1) above, as well as a Prototype Product. This may include browse Data Products that are generated as part of the product production process.
Status Request	<p>A Status Request is a Service Request that requests the status of one or more active Service Requests. A Status Request contains the following Data:</p> <ul style="list-style-type: none"><li>a. User Identifier</li><li>b. Request Identifier(s) for the statused Service Request(s)</li></ul>
Subscription	A Subscription is a specification for an action to be performed upon the occurrence of one or more user-specified events. The action to be performed may be (1) the execution of another Service Request or (2) the issuance of a Notification. The Service Request to be executed may perform data processing or may deliver Data. The specified event(s) may correspond to the availability of Data or to the periodic expiration of a timer. Subscriptions are stored and activated by the Data Server subsystem. Once a Subscription is activated, the subsystem will detect the events specified in the Subscription as they occur.
Subscription Event	A Subscription Event is an event that triggers a specified action. Both the event and the action are specified in a Subscription.
Subscription Identifier	A Subscription Identifier is information that uniquely identifies an active or expired Subscription.
Subscription Request	A Subscription Request is a Service Request for the acceptance and activation of a Subscription by the Data Server subsystem. A Subscription Request contains a Subscription.
Subscription Update Request	A request by a client to change information recorded in an existing subscription.

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Suspend Request	A Suspend Request is a Service Request that directs a LIM, DIM, or Data Server to suspend an active session. Service Requests may not reference Data and services that were previously created or defined within the context of a suspended session.
Update Metadata Request	An Update Metadata Request is a Service Request that directs the Data Server subsystem to modify specified Metadata associated with ECS Data Products..
User	A user is a person that originates Service Requests to be processed by SDPS. Includes science users, and operations staff.
User Accounting Information	Is Accounting Management Data recording the resource utilization attributed to a specific used
User Comments	<p>User Comments is user feedback information containing at a minimum:</p> <ul style="list-style-type: none"><li>a. Product data quality assessment</li><li>b. Schedule performance assessment</li><li>c. Evaluation of quality of ECS service.</li></ul>
User Identifier	A User Identifier is information that uniquely identifies an authorized user of SDPS services.
User Profile	<p>A User Profile is information associated with a user that is used to control the user interface and supply default parameters in Service Requests. The contents of the User Profile is derived from system default parameters and information supplied directly by the user. The User Profile will contain the following information at a minimum:</p> <ul style="list-style-type: none"><li>a. User electronic address</li><li>b. Media Specification (for distribution media)</li><li>c. Data distribution address</li><li>d. User expertise level</li><li>e. Default search parameters</li><li>f. Terminal characteristics</li><li>g. Technical specialty</li></ul>

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<u>User Pull Area</u>	<u>The User Pull Area is disk storage used to temporarily store ECS data so that the data can be retrieved (via FTP) by external users.</u>
User Registration Request	A message sent to CSMS to request the creation of a new user account.
User Session Log	<p>A User Session Log is a log that records the following information and activities associated with a single user session:</p> <ul style="list-style-type: none"><li>a. Service Requests initiated by the user</li><li>b. Service Request Status</li><li>c. Notifications</li></ul>
User Validation Status	A message sent by CSMS, in response to a Logon Authorization Request, which indicates whether or not a user is authorized to logon as an ECS user.
V0 Advertising Information	V0 Advertising Information is a message, in Version 0 format, that describes data and services that are provided by Version 0.
V0 Browse Request	A V0 Browse Request is a message, in Version 0 format, that directs the recipient of the request to provide Browse Data.
V0 Browse Results	V0 Browse Results are the output of a V0 Browse Request.
V0 Inventory Search Request	A V0 Inventory Search Request is a message, in Version 0 format, that directs the recipient of the request to provide information that describes data that can be provided by the recipient.
V0 Inventory Search Results	V0 Inventory Search Results are the output of a V0 Inventory Search Request.
V0 Migration Data	Many of the V0 data holdings will be migrated into ECS Data Server data holdings. The data being ingested by ECS for that purpose is called the V0 Migration Data.
V0 Product Request	A V0 Product Request is a message, in Version 0 format, that directs the recipient of the request to provide a Data Product.
Valid Values	Valid Values are parameter values that describe the acceptable values for a given parameter.
Working Storage Allocation Request	A request for the allocation of temporary storage.

## **Data Glossary**

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